

**From:** [Benjamin Shorr](#)  
**To:** [Eric Blischke/R10/USEPA/US@EPA](#)  
**Cc:** [Chip Humphrey/R10/USEPA/US@EPA](#); [Mary Baker](#); [Robert Neely](#)  
**Subject:** Re: follow up-  
**Date:** 05/29/2007 04:31 PM

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Eric & Chip-

I would like to request from LWG the GIS layers used in the Round 3B FSP's for benthic risk and the most recent coring FSPs. We should definitely have these layers to facilitate our review and comments and also reiterate our request to receive spatial data layers for FSP's in addition to the pdf documents to expedite our review & collaborative approach. They can post them on the Portal and notify us or transmit them directly to us-

Thanks,

Ben

[Blischke.Eric@epamail.epa.gov](mailto:Blischke.Eric@epamail.epa.gov) wrote:

Ben, here is the table I came up with. I have not included descriptions or the rationale. However, I have included the LWG's proposed samples. One thing we discussed is the M&B site. We have included a recommendation for samples offshore of the cap. However, M&B collected 71 bioassays in 1999 and 2000 or 2001 that were used to delineate the cap boundaries. These are not included in your map. I am not even sure they are included in QM (the only M&B results are phase 1 - 4 RI data not data in support of the sediment cap basis of design report. Any thoughts?

Also, on a more general note, my thinking is that we would use the benthic risk evaluation as a way to assess the nature and extent of contamination. This is fine for most chemicals with the exception of certain bioaccumulative chemicals - i.e., PCBs, DDT, PAHs (clam consumption scenario) and possibly dioxin. Here are some thoughts on additional sediment data to support these base on application of bioaccumulative PRGs:

1) PCBs - there are some moderate hits of PCBs in the channel in the vicinity of RM 10.4. We seem to have the near shore hits covered through additional sampling in the vicinity of 10 A. In addition, the LWG has proposed two samples in area 27 (not an area for benthic risk) presumably due to PCB hits. There is one other potential area - Area 8. We do not have this listed, the LWG proposes 1 core at this location and it appears that PCBs are well delineated laterally.

2) DDT - There are a lot of DDT hits downstream of Arkema along the west bank. Some of these are included in our areas. Some are not including off shore of PGE, LOFTG, downstream of Kinder Morgan, Babcock

and perhaps Marine Finance (LWG Area 8).

3) PAHs - There are a lot of hits downstream of GASCO on the west bank and M&B and T-4 on the west bank above the LWG's 10-5 B(a)P PRG of 170 ppb. At higher concentrations (i.e., 1.7 ppm), our sources are covered.

4) Dioxin - Elevated dioxins (>1.1 ng/kg) seem to be associated with the following sources - U.S. Moorings, Arkema, RPAC, Gunderson and M&B. These seem to be generally covered.

Eric

(See attached file: SurfaceSedimentSamples.xls)

Benjamin Shorr  
<Benjamin.Shorr@noaa.gov>

To

Blischke/R10/USEPA/US@EPA  
05/29/2007 11:24

cc

AM  
Shephard/R10/USEPA/US@EPA,

Mary

Eric

Burt

Joe Goulet/R10/USEPA/US@EPA,

Baker <[Mary.Baker@noaa.gov](mailto:Mary.Baker@noaa.gov)>,  
Robert Neely  
<[Robert.Neely@noaa.gov](mailto:Robert.Neely@noaa.gov)>

Subject

Re: follow up-

Sounds good Eric- I can generate a summary table of the points and rationales pretty easily from the updated points on the map- if you want to add the sample quantities to the table that is in the GIS, we can use that for mapping & also send to the LWG.

Attached is the most recent table representing the Areas--- there are 2 new fields that can be filled in (BIO\_PROPOSED and SEDIMENT\_PROPOSED).

We (NOAA) are comfortable with the rationale & process- I will check with Mary Baker about the time-frame that we set out for completing these map series and providing them to LWG. Technically we can accomplish this quickly, just want to make sure that we have time to internally review.

Best,  
Ben

Blischke.Eric@epamail.epa.gov wrote:

I think we made a lot of progress on Friday. I think we agreed to distribute what we have developed to the entire project team and

discuss on June 4th. I would like to distribute the following:

Rationale and process description - I believe that this is completed and on the ftp site. Are any additional changes/modifications required?

Joe Map depicting areas, iAOPCs and proposed sample locations -

has the marked up maps. I sounds like it is pretty straight forward to transfer.

Table with sample numbers for each area - chemistry and bioassays.

I will produce this.

I will get the table completed today. Please let me know whether we

need to modify the rationale and process piece and the time-frame

for completing the maps.

Thanks for all your good work on this.

Eric

Benjamin Shorr

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To

Goulet/R10/USEPA/US@EPA

Joe

05/29/2007 10:51

cc

AM

Shephard/R10/USEPA/US@EPA,

Burt

Robert Neely

[<Robert.Neely@noaa.gov>](mailto:Robert.Neely@noaa.gov),

Eric

Blischke/R10/USEPA/US@EPA,

Mary

Baker

[<Mary.Baker@noaa.gov>](mailto:Mary.Baker@noaa.gov)

Subject

Re: follow up-

Sounds good Joe-

Perhaps we can meet up tomorrow at some point so that I can transfer what you & Eric have come up with into GIS and finalize it so that we can easily communicate with LWG for the bioassay/surface sediment 3B FSP. Depending on what time you leave for work- I can swing by your house on my way in. Otherwise, I can stop by EPA at some point.

Thanks!  
Ben

[Goulet.Joe@epamail.epa.gov](mailto:Goulet.Joe@epamail.epa.gov) wrote:  
Ben and Burt,

I met with Eric and Jim Friday in Portland. I think getting their input was long overdue.

Here are some points resulting from the meeting.

35 bioassays, 141 sediment samples

extent/bounding samples are chemistry only

International slip and Swan Island lagoon will not get more samples in this round

I am taking the day off today, but I will be checking email occasionally today. I can meet Wednesday or Thursday this week.

It would be great to transfer Eric's proposed sample locations from my map to a GIS layer.

I am not sure if we would still meet next week with Eric.

Joe

Benjamin Shorr

[<Benjamin.Shorr@noaa.gov>](mailto:Benjamin.Shorr@noaa.gov)

To

Joe

Goulet/R10/USEPA/US@EPA,  
Burt

05/29/2007 08:12

Shephard/R10/USEPA/US@EPA

AM

cc

Robert Neely

[<Robert.Neely@noaa.gov>](mailto:Robert.Neely@noaa.gov)

Subject

follow up-

Hey Joe & Burt-

meeting up  
with  
you in Portland, Joe- we did end up driving down Sat.  
AM in the  
camper.  
Had a great time out on the coast.  
I would like to follow up with both of you and take a  
look at the  
most  
recent cut on bioassay/surface sed. for benthic risk  
Rd. 3.  
I can  
stop  
down at EPA early this week so that we can be ready to  
go  
for our  
tentative Mon. June 4th 1pm get together.

Thanks-

Ben

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[http://response.restoration.noaa.gov/orr\\_about.php](http://response.restoration.noaa.gov/orr_about.php)(See attached  
file:  
Areas\_Potential\_Benthic\_Risk\_052507.xls)

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